

Application  
Number 

IDS Flag Clearance for Application 10551263

**IDS  
Information**

Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
WIDS	2006-09-18	19	Y <input checked="" type="checkbox"/>	2007-11-30 13:56:54.0	oogunbiyi
<input type="button" value="Update"/>					

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	281	staphylococcus adj enterotoxin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	NEAR	OFF	2007/11/30 13:24
L2	180	staphylococcus adj enterotoxin adj B	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	NEAR	OFF	2007/11/30 13:25
L3	2220805	mutant or mutated or modify or modified	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	NEAR	OFF	2007/11/30 13:34
L4	143	l2 and l3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	NEAR	OFF	2007/11/30 13:36
L5	41615	amino adj acid near25 substitution	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	NEAR	OFF	2007/11/30 13:34
L6	19	l4 and l5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	NEAR	OFF	2007/11/30 13:34

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Logon file1 30nov07 13:39:58

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\*\*\*BIOSIS Previews Archive (File 552)

\*\*\*BIOSIS Previews 1969-2007 (File 525)

\*\*\*Trademarkscan - South Korea (File 655)

RESUMED UPDATING

\*\*\*File 141, Reader's Guide Abstracts

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NEWS

Chemical Structure Searching now available in Prous Science Drug Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus (File 302).

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File 1:ERIC 1965-2007/Sep  
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\$0.51 0.145 DialUnits File1

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File 5:BIOSIS Previews(R) 1926-2007/Nov W4

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File 34:SciSearch(R) Cited Ref Sci 1990-2007/Dec W1

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\*File 155: Please see HELP NEWS 154 for coming changes to updating.  
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(c) format only 2007 Dialog  
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\*File 159: Cancerlit is no longer updating.  
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468651 STAPHYLOCOCCUS

62198 ENTEROTOXIN

6815593 B

S1 3214 STAPHYLOCOCCUS (W) ENTEROTOXIN (W) B

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S1	3214	STAPHYLOCOCCUS (W) ENTEROTOXIN (W) B
S2	5150798	MUTANT OR MUTATION OR MODIFIED OR MODIFY OR SUBSTITUTE OR - SUBSTITUTION
? S S1 AND S2		
	3214	S1
	5150798	S2
S3	248	S1 AND S2
? S REACTIVE OR REACTIVITY		
	1164957	REACTIVE
	771083	REACTIVITY
S4	1857308	REACTIVE OR REACTIVITY
? S S3 AND S4		
	248	S3
	1857308	S4
S5	44	S3 AND S4
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>>>KWIC option is not available in file(s): 399

5/K/1 (Item 1 from file: 34)

DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: ring A (BPD, verteporfin) and whole-body light exposure, was  
 assessed for its capacity to modify the course of adoptively  
 transferred experimental autoimmune encephalomyelitis (EAE) in PL mice.  
 Using a novel...

...condition, disease signs commenced 3-4 weeks after the transfer of  
 myelin basic protein (MBP)- reactive lymph node or spleen cells to  
 naive syngeneic recipients. Mice administered MBP-sensitized lymph node  
 ...

...V alpha 4 mRNA transcripts that specifically encode for the TCR  
 alpha-chain of MBP- reactive T cells of PL mice. Using the polymerase  
 chain reaction, V alpha 4 TCR mRNA...

Research Fronts: 94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
 SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
 SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)

94-2155 001 (PHOTODYNAMIC THERAPY; SPECTRA OF 5...

5/K/2 (Item 2 from file: 34)

DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

Untitled

Research Fronts: 94-0149 004 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-1311 003 (T-CELL COSTIMULATORY MOLECULE; ACTIVATED...  
...DIABETES-MELLITUS; RISK FOR IDDM)  
94-5686 002 (MAJOR HISTOCOMPATIBILITY COMPLEX ASSOCIATION; T-CELL  
CROSS- REACTIVITY ; IMMUNODOMINANT MYELIN BASIC-PROTEIN PEPTIDE; LYME  
ARTHRITIS; SEQUENCE HOMOLOGY)  
94-1576 001 (MAJOR HISTOCOMPATIBILITY COMPLEX...  
...GENES; PEPTIDE PRESENTATION; IMMUNE RECOGNITION; ANCHOR RESIDUES)  
94-4380 001 (CLASS-II MAJOR HISTOCOMPATIBILITY COMPLEX MUTANT MICE;  
CYTOTOXIC T-CELLS WITHIN CD4+8- T-CELLS; POSITIVE SELECTION)  
94-6285 001 (DENGUE...

5/K/3 (Item 3 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Identifiers--CROSS- REACTIVE IDIOTYPE; PARA-AZOPHENYLARSONATE  
ANTIBODIES; SYSTEMIC LUPUS-ERYTHEMATOSUS; ANTIGEN-PRESENTING CELLS;  
CLASS-II MOLECULES; B-LYMPHOMA CELLS; IMMUNE-RESPONSE; SOMATIC  
MUTATION ; VARIABLE-REGION; MONOCLONAL-ANTIBODIES  
...Research Fronts: CD8 MOLECULES; INDUCTION OF AUTOIMMUNE-DISEASE)  
94-0149 001 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN  
STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS  
SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-0811 001 (FILAMENTOUS PHAGE DISPLAY; PEPTIDE COMBINATORIAL...  
...DELTA T-CELLS; DIFFERENTIAL EXPRESSION; LYMPHOCYTIC CHORIOMENINGITIS  
VIRUS; IL-6 RECEPTORS)  
94-6820 001 (SOMATIC MUTATION ; GERMINAL CENTER B-CELLS;  
IMMUNOGLOBULIN GENES; IMMUNOLOGICAL MEMORY)  
94-7262 001 (T-CELL ANTIGEN RECEPTOR...

5/K/4 (Item 4 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Title: LUNG-SPECIFIC NEO-ANTIGEN ELICITS SPECIFIC CD8(+) T-CELL  
TOLERANCE WITH PRESERVED CD4(+) T-CELL REACTIVITY - IMPLICATIONS FOR  
IMMUNE-MEDIATED LUNG-DISEASE  
...Abstract: also extremely specific, Since transgenics immunized with an  
influenza strain containing a single amino acid substitution in a  
dominant HA epitope were able to mount full cytolytic responses to that  
epitope...  
...may lead to specific CD8(+) T cell tolerance, with CD4(+) T cell and B  
cell reactivity to the antigen, and that CD4(+) T cell reactivity  
may remain intact to an antigen expressed in the thymus, even when  
CD8(+) Tcell tolerance...  
Research Fronts: 94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)

5/K/5 (Item 5 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: CD4+/- mice. These findings indicate that, in MMTV infection  
of CD4-deficient mice, the superantigen- reactive T cells among the

Untitled

population of TCR alpha beta(+) CD4(-)CD8(-) T cells substitute for the superantigen- reactive CD4(+) T cells of normal mice, and that the absence of CD4 molecules decreased the infectivity of MMTV because of insufficient expansion of the superantigen- reactive T cells.

Research Fronts: 94-0149 003 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)

5/K/6 (Item 6 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

Research Fronts: 94-0149 003 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)

94-1384 002 (GLUTAMIC-ACID DECARBOXYLASE ANTIBODIES; INSULIN-DEPENDENT DIABETES-MELLITUS; RISK FOR IDDM)

94-6075 002 ( REACTIVE ARTHRITIS; IGG CLASS SERUM ANTIBODIES; EXTRAINTestinal MANIFESTATIONS OF INFLAMMATORY BOWEL-DISEASE)

94-7058 002 (ORAL...

...TRANSFORMING GROWTH-FACTOR-BETA MESSENGER-RNA EXPRESSION)

94-4380 001 (CLASS-II MAJOR HISTOCOMPATIBILITY COMPLEX MUTANT MICE; CYTOTOXIC T-CELLS WITHIN CD4+8- T-CELLS; POSITIVE SELECTION)

94-5686 001 (MAJOR HISTOCOMPATIBILITY COMPLEX ASSOCIATION; T-CELL CROSS- REACTIVITY ; IMMUNODOMINANT MYELIN BASIC-PROTEIN PEPTIDE; LYME ARTHRITIS; SEQUENCE HOMOLOGY)

94-6123 001 (RHEUMATOID-ARTHRITIS SYNOVIAL...

5/K/7 (Item 7 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: these peptides in syngeneic hosts may be under physiological control so as to modulate auto- reactivity . As would be expected from our current understanding, T cells reactive to such antigens should be deleted or clonally anergized. To explore this possibility, we investigated...

...appropriate peptide. Surprisingly, many of these peptides were highly immunogenic in normal mice. T cells reactive to these self peptides are restricted by syngeneic MHC class II and were blocked by...

...but tolerance to these peptides is still maintained in vivo. Presumably the high-affinity self- reactive T cells are deleted in the thymus and the low-affinity self peptide reactive T cells remain unresponsive to antigen challenge in vitro. Upon antigen priming in vivo, many of these self- reactive T cells become activated and readily respond to antigen challenge in vitro. These results point...

...Research Fronts: AMYLOID PRECURSOR PROTEIN IN ALZHEIMERS-DISEASE; APOLIPOPROTEIN-E PROFILE OF AGED CHIMPANZEES; SWEDISH APP670/671 MUTATION )

94-0149 001 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)

5/K/8 (Item 8 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: signs of apoptosis, and both these alterations are absent in mice bearing a p53 null mutation , underlying the correlation between mitochondrial perturbation and nuclear apoptosis. Similarly,

Untitled  
superantigen-triggered deletion of peripheral...  
Research Fronts: 94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-0790 002 (T-CELL PROGRAMMED CELL-DEATH...

5/K/9 (Item 9 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: SIYRYGL-primed H-2(b) mice respond to H-2L(d) + LSPFPFDL.  
This reciprocal cross- reactivity suggests that structural features  
are shared by the two MHC-peptide complexes.  
...Research Fronts: GENES; PEPTIDE PRESENTATION; IMMUNE RECOGNITION; ANCHOR  
RESIDUES)  
94-4380 004 (CLASS-II MAJOR HISTOCOMPATIBILITY COMPLEX MUTANT MICE;  
CYTOTOXIC T-CELLS WITHIN CD4+8- T-CELLS; POSITIVE SELECTION)  
94-0149 001 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN  
STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS  
SYNDROME-LIKE AUTOIMMUNE LESIONS)

5/K/10 (Item 10 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: occurs at the CD4(+)CD8(+) double positive thymocyte stage.  
Immature CD4(+)CD8(+) thymocytes expressing self- reactive TCR are  
induced to die upon clonotypic engagement of TCR by self antigens. CD3  
engagement...  
...that the CD3-induced apoptosis of CD4(+)CD8(+) thymocytes can occur even  
in TCR alpha(-) mutant mice which do not express the TCR alpha  
beta/CD3 antigen receptor. Anti-CD3 antibody...  
Research Fronts: 94-0149 003 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-7262 002 (T-CELL ANTIGEN RECEPTOR (TCR...

5/K/11 (Item 11 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: V delta 2/V gamma 9 TCR. Their accumulation in infectious  
disease lesions and their reactivity toward mycobacterial Ags suggest  
that V gamma 9/V delta 2 T cells play a...  
...antigenic stimulation, and raise the question of the contribution of a  
cellular ligand induced or modified by chronic HIV infection.  
Research Fronts: 94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-0790 002 (T-CELL PROGRAMMED CELL-DEATH...

5/K/12 (Item 12 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

Title: A FAS ANTIGEN RECEPTOR MUTATION ALLOWS DEVELOPMENT OF TOXIC SHOCK  
SYNDROME TOXIN-1-INDUCED LETHAL SHOCK IN V-BETA-8...  
...Abstract: the V beta 8.2 splenocytes revealed the presence of minor  
populations of TSST-1- reactive V beta elements (i.e. V beta 3 and V  
beta 15). Furthermore, an expansion...



Untitled

...antigen-defective mice were substantially more susceptible to rTSST-1 challenge. Mice carrying the lpr mutation on another genetic background (C57BL/6.C3H-lpr/lpr) were also more sensitive to rTSST...  
Research Fronts: 94-0149 004 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-4226 002 (FAS ANTIGEN; REGULATION OF APOPTOSIS...

5/K/13 (Item 13 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: necrosis factor-alpha in this reaction, the activation of monocytes/macrophages was not able to substitute for lymphocytes, as severe combined immunodeficiency (SCID) mice (which are lymphocyte-deficient) did not mount...

...fact that SJL/J mice, which lack V beta 8(+) T cells (the major SEB-reactive T cell population in mice), exhibited much weaker responses. Deletion or tolerization of SEB-reactive V beta T cells was not observed after a single intradermal injection of such minute...

Research Fronts: 94-0149 004 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-1118 001 (CD44 VARIANT ISOFORMS; EXPRESSION OF...

5/K/14 (Item 14 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: that this ligand-receptor pair also plays an important role in the selection of self-reactive T cells in the thymus (central tolerance) and the regulation of tolerance in mature T...

...Research Fronts: CD28 CO-STIMULATION; SOLUBLE CTLA-4)  
94-0149 001 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-4380 001 (CLASS-II MAJOR HISTOCOMPATIBILITY COMPLEX MUTANT MICE; CYTOTOXIC T-CELLS WITHIN CD4+8- T-CELLS; POSITIVE SELECTION)  
94-6820 001 (SOMATIC MUTATION ; GERMINAL CENTER B-CELLS; IMMUNOGLOBULIN GENES; IMMUNOLOGICAL MEMORY)

5/K/15 (Item 15 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

Title: INHIBITION OF NUR77/NURR1 LEADS TO INEFFICIENT CLONAL DELETION OF SELF- REACTIVE T-CELLS

...Abstract: of DNA-binding proteins in thymic clonal deletion, transgenic (Tg) mice bearing a dominant negative mutation were produced. The transgene consisted of a truncated Nur77 (Delta Nur77) gene encoding the DNA...

...anti-CD3 or anti-TCR antibody in vivo and in vitro, clonal deletion of self-reactive T cells was investigated in Delta Nur77-D-b/HY TCR-alpha/beta double Tg mice. There was a five-fold increase in the total number of thymocytes expressing self-reactive D-b/HY TCR-alpha/beta in the Delta Nur77-TCR-alpha/beta double Tg male mice. Deficient clonal deletion of self-reactive thymocytes was demonstrated by a 10-fold increase in the CD4(+)CD8(+) thymocytes that expressed...

...Research Fronts: APOPTOSIS; PROGRAMMED CELL-DEATH; TRANSGENIC MICE)  
94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN

Untitled

STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS  
SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-4226 002 (FAS ANTIGEN; REGULATION OF APOPTOSIS...

5/K/16 (Item 16 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

Title: POLYETHYLENE GLYCOL- MODIFIED IL-2 ABROGATES SUPERANTIGEN-INDUCED  
ANERGY WITHOUT AFFECTING PERIPHERAL CLONAL DELETION IN-VIVO

Abstract: As compared with the native molecule, recombinant human  
interleukin-2 that is modified by covalently attached polyethylene  
glycol residues (IL-2-PEG) exhibits a markedly enhanced half-life...

...IL-2-PEG on the Staphylococcus aureus enterotoxin B (SEB)-induced  
tolerance of peripheral SEB- reactive (V beta 8(+)) T cells. Treatment  
with sublethal doses of IL-2-PEG does not...

Research Fronts: 94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-1311 001 (T-CELL COSTIMULATORY MOLECULE; ACTIVATED...

5/K/17 (Item 17 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: DR versus T-cell receptor V beta interaction sites on TSST-1  
as determined by reactivity with a panel of recombinant TSST-1  
mutant molecules. Therefore, these MAbs discriminate the superantigen  
functional sites on the TSST-1 molecule and...

Research Fronts: 94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-0490 001 (INTRAVENOUS IMMUNOGLOBULIN; MULTIFOCAL MOTOR NEUROPATHY...

5/K/18 (Item 18 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

Title: MATURE T-CELL REACTIVITY ALTERED BY PEPTIDE AGONIST THAT INDUCES  
POSITIVE SELECTION

...Abstract: interaction; and (d) interactions with selecting peptides  
during T cell ontogeny may define the functional reactivity of mature  
T cells.

Research Fronts: 94-0149 004 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-1576 002 (MAJOR HISTOCOMPATIBILITY COMPLEX CLASS-I GENES; PEPTIDE  
PRESENTATION; IMMUNE RECOGNITION; ANCHOR RESIDUES)  
94-4380 001 (CLASS-II MAJOR HISTOCOMPATIBILITY COMPLEX MUTANT MICE;  
CYTOTOXIC T-CELLS WITHIN CD4+8- T-CELLS; POSITIVE SELECTION)

5/K/19 (Item 19 from file: 34)  
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...Research Fronts: DEPENDENT DIABETES-MELLITUS; RISK FOR IDDM)

94-0149 005 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN  
STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS  
SYNDROME-LIKE AUTOIMMUNE LESIONS)

94-1576 005 (MAJOR HISTOCOMPATIBILITY COMPLEX CLASS-I GENES; PEPTIDE  
PRESENTATION; IMMUNE RECOGNITION; ANCHOR RESIDUES)

94-0943 001 (MITOCHONDRIAL MYOPATHY; POINT MUTATION ; STROKE-LIKE

Untitled

EPISODES (MELAS))  
94-1531 001 (YEAST PROTEASOME SUBUNIT; UBIQUITIN-MEDIATED PROTEOLYTIC  
PATHWAY; MULTICATALYTIC...  
...CONSERVED DOMAIN; RNASE-H ACTIVITY)  
94-5686 001 (MAJOR HISTOCOMPATIBILITY COMPLEX ASSOCIATION; T-CELL  
CROSS- REACTIVITY ; IMMUNODOMINANT MYELIN BASIC-PROTEIN PEPTIDE; LYME  
ARTHRITIS; SEQUENCE HOMOLOGY)  
94-6123 001 (RHEUMATOID-ARTHRITIS SYNOVIAL...

5/K/20 (Item 20 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: immune system must tolerate the function of T lymphocytes that  
by chance express a self- reactive antigen receptor. Therefore, during  
early development, T cells that are specific for antigens expressed in

...  
Research Fronts: 94-0149 003 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-0261 003 (CD40 LIGAND; HELPER T-CELL...

...GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR GENE-EXPRESSION)  
94-4380 001 (CLASS-II MAJOR HISTOCOMPATIBILITY COMPLEX MUTANT MICE;  
CYTOTOXIC T-CELLS WITHIN CD4+8- T-CELLS; POSITIVE SELECTION)  
94-7270 001 (INFLAMMATORY...

5/K/21 (Item 21 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Title: CELL ANTAGONIST PROPERTIES OF THE EXACT SELF-CORRELATE OF A  
PEPTIDE ANTIGEN REVEALED BY SELF- SUBSTITUTION OF NON-SELF-POSITIONS  
IN THE PEPTIDE SEQUENCE

...Abstract: peptides in shaping the T cell receptor (TCR) repertoire  
remains to be established. While TCR reactive to certain  
self-peptides are thought to be deleted in the thymus, the selection of  
TCR specificity for foreign peptide reactivity appears to require  
recognition of self-peptide(s) bound to the groove of thymic major...

...these altered peptide ligands have demonstrated activity in the positive  
selection of thymocytes with TCR reactive to the wild-type peptide  
antigen, we have investigated the specificity of T cell antagonism with  
step-wise substitution of self-amino acids into each nonconserved  
position of a Ia-amino-acid foreign peptide...

Research Fronts: 94-0149 001 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)  
94-4045 001 (T-CELL RECEPTOR; MAJOR HISTOCOMPATIBILITY...

5/K/22 (Item 22 from file: 34)  
DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: is abrogated in the absence of MHC class II expression. No  
deletion of MIs-1- reactive T cells was observed in MHC class  
II-deficient mice, and splenocytes from these animals did not stimulate  
MIs-1- reactive T cell hybrids in vitro. Furthermore, the viral spread  
in MHC class II-deficient mice...

Research Fronts: 94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)

Untitled

94-3843 001 (LETHAL MURINE GRAFT-VERSUS-HOST...

...EXPRESSION; LYMPHOCYTIC CHORIOMENINGITIS VIRUS; IL-6 RECEPTORS)  
94-4380 001 (CLASS-II MAJOR HISTOCOMPATIBILITY COMPLEX MUTANT MICE;  
CYTOTOXIC T-CELLS WITHIN CD4+8- T-CELLS; POSITIVE SELECTION)  
94-6992 001 (MAJOR...

5/K/23 (Item 23 from file: 34)

DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

Title: EVALUATION OF PRESENCE AND FUNCTIONAL-ACTIVITY OF POTENTIALLY SELF-  
REACTIVE T-CELLS IN AGED MICE

...Abstract: antibodies to determine the presence and functionality of  
normally deleted T cells bearing potentially self-reactive TCR in  
peripheral lymphoid tissue and blood from aged (SJL/J x BALB/c) F...

...extra-thymic origin, since they were more readily detectable in aged TX  
mice. Potentially self-reactive CD4 (and CD8) single-positive T cells  
were detectable in PBL only in very aged...

Research Fronts: 94-0149 001 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)

94-3845 001 (INTESTINAL INTRAEPITHELIAL LYMPHOCYTES; GAMMA/DELTA T-CELL  
RECEPTOR; MURINE FETAL THYMUS)

94-4380 001 (CLASS-II MAJOR HISTOCOMPATIBILITY COMPLEX MUTANT MICE;  
CYTOTOXIC T-CELLS WITHIN CD4+8- T-CELLS; POSITIVE SELECTION)

5/K/24 (Item 24 from file: 34)

DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: is a 45-kDa membrane protein that transduces an apoptotic  
signal, The mouse lymphoproliferation (lpr) mutation is a leaky  
mutation of Fas, In this study, we examined lymphocyte development in  
Fas-null mice generated by...

...including anti-DNA antibodies, were produced. Thymic clonal deletion,  
assessed by deletion of T cells reactive to mouse endogenous  
superantigens, was apparently normal in the Fas(-/-) mice, whereas the  
peripheral clonal...

...Research Fronts: REGULATION OF APOPTOSIS; TNF RECEPTOR SUPERFAMILY)  
94-0149 002 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES; SUPERANTIGEN  
STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION; SJOGRENS  
SYNDROME-LIKE AUTOIMMUNE LESIONS)

5/K/25 (Item 25 from file: 34)

DIALOG(R)File 34:(c) 2007 The Thomson Corp. All rts. reserv.

...Abstract: that are being deleted in response to SEB in vivo. We show  
that dying, SEB-reactive T cells express high levels of Fas and Fas  
Ligand (Fas-L), which are implicated...

...an apoptotic phenotype is severely impaired in response to SEB in  
functional Fas-L-deficient mutant gld mice, confirming the role of  
the Fas pathway in SAg-mediated peripheral deletion in...

Research Fronts: 94-0149 003 (T-CELL RECEPTOR TRANSGENIC THYMOCYTES;  
SUPERANTIGEN STAPHYLOCOCCUS ENTEROTOXIN - B ; CLONAL DELETION;  
SJOGRENS SYNDROME-LIKE AUTOIMMUNE LESIONS)

94-4226 003 (FAS ANTIGEN; REGULATION OF APOPTOSIS...

Untitled

5/K/26 (Item 1 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...Biotin functionalization of these electrostatically stabilized QD - protein complexes was then carried out using amine- reactive NHS biotin. These protein-coated biotin-functionalized quantum dot conjugates were incorporated into flow immunofiltration...

...a second biotinylated antibody. A key component of the assay was the use of tetranitromethane- modified NeutrAvidin, used to link the biotinylated QDs to the immune complexes and facilitate their release...

DRUG DESCRIPTORS:

\*biotin; \* Staphylococcus enterotoxin B  
...CAS REGISTRY NO.: 7440-43-9 (cadmium); 7782-49-2 (selenium); 39424-53-8 ( Staphylococcus enterotoxin B ); 509-14-8 (tetranitromethane); 7732-18-5 (water); 12169-28-7...

5/K/27 (Item 2 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...on a novel H2E transgenic, IA-negative model of experimental autoimmune thyroiditis (EAT) that excludes reactivity to self in its susceptibility pattern to heterologous thyroglobulin (Tg). In conventional, susceptible mouse strains...

...introduced into class II-negative B10.Ab SUP 0 mice, which express neither surface IA ( mutant Abeta-chain) nor surface IE (nonfunctional Ea gene), the resultant H2E SUP b molecules are...

DRUG DESCRIPTORS:

epitope; immunoglobulin A1--endogenous compound--ec; Staphylococcus enterotoxin B ; superantigen  
CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B ); 9010-34-8 (thyroglobulin)

5/K/28 (Item 3 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

Epidermal HLA-DR and the enhancement of cutaneous reactivity to superantigenic toxins in psoriasis

...revealed significantly higher HLA-DR expression in keratinocytes from psoriatics than from controls. However, a mutant TSST-1 protein that fails to bind HLA-DR did not elicit an inflammatory skin...

DRUG DESCRIPTORS:

\*HLA DR antigen--endogenous compound--ec; \* staphylococcus enterotoxin b ; \*streptococcus antigen  
CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/29 (Item 4 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...SAGs for the TCR and their biological activity: the tighter the binding of a particular mutant of SEC3 or SEB to the TCR beta chain, the greater its ability to stimulate...

...contribution to stabilizing the beta-SEC3 complex ('hot spot' residues) are strictly conserved among enterotoxins reactive with mouse Vbeta8.2, thereby providing a basis for understanding why SAGs having other residues

DRUG DESCRIPTORS:

Untitled

\*major histocompatibility antigen class 2--endogenous compound--ec; \*  
staphylococcus enterotoxin b --endogenous compound--ec; \*t lymphocyte  
receptor beta chain--endogenous compound--ec  
MEDICAL DESCRIPTORS:  
article; beta chain; binding affinity; dissociation constant; gene  
mutation ; human; human cell; human tissue; major histocompatibility  
complex; mitogenesis; priority journal; receptor affinity; t lymphocyte...  
CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/30 (Item 5 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

The conventional CD4 SUP + T cell response to staphylococcal enterotoxin  
B is modified by its superantigenic activity

...concurrent immune response. Also, the contribution of Vbeta8 SUP +/CD4  
SUP + T cells to peptide reactivity was not affected by the presence of  
low doses of native SEB, suggesting that the enhanced reactivity was not  
a Vbeta-specific effect of SEB, but was cytokine-mediated.

DRUG DESCRIPTORS:  
\*cd4 antigen--endogenous compound--ec; \*cytokine--endogenous compound--ec;  
\* staphylococcus enterotoxin b ; \*superantigen; \*synthetic peptide  
CAS REGISTRY NO.: 85898-30-2 (interleukin 2); 39424-53-8 ( Staphylococcus  
enterotoxin B )

5/K/31 (Item 6 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...necrosis factor-alpha in this reaction, the activation of  
monocytes/macrophages was not able to substitute for lymphocytes, as  
severe combined immunodeficiency (SCID) mice (which are  
lymphocyte-deficient) did not mount...

...the fact that SJL/J mice, which lack Vbeta8 SUP + T cells (the major  
SEB- reactive T cell population in mice), exhibited much weaker responses.  
Deletion or tolerization of SEB- reactive Vbeta T cells was not observed  
after a single intradermal injection of such minute amounts...

DRUG DESCRIPTORS:  
intercellular adhesion molecule 1--endogenous compound--ec; staphylococcus  
enterotoxin b ; vascular cell adhesion molecule 1--endogenous compound  
--ec  
CAS REGISTRY NO.: 126547-89-5 (intercellular adhesion molecule 1);  
39424-53-8 ( Staphylococcus enterotoxin B )

5/K/32 (Item 7 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

Polyethylene glycol- modified IL-2 abrogates superantigen-induced anergy  
without affecting peripheral clonal deletion in vivo

As compared with the native molecule, recombinant human interleukin-2  
that is modified by covalently attached polyethylene glycol residues  
(IL-2-PEG) exhibits a markedly enhanced half-life...

...IL-2-PEG on the Staphylococcus aureus enterotoxin B (SEB)-induced  
tolerance of peripheral SEB- reactive (Vbeta8 SUP +) T cells. Treatment  
with sublethal doses of IL-2-PEG does not modulate...

DRUG DESCRIPTORS:  
...\*macrogol--drug combination--cb; \*recombinant interleukin 2--drug  
combination--cb; \*recombinant interleukin 2--pharmacology--pd; \*

Untitled

staphylococcus enterotoxin b --drug toxicity--to  
CAS REGISTRY NO.: 25322-68-3 (macrogol); 110942-02-4 (recombinant  
interleukin 2); 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/33 (Item 8 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...that are being deleted in response to SEB in vivo. We show that dying, SEB- reactive T cells express high levels of Fas and Fas ligand (Fas-L), which are implicated...

...an apoptotic phenotype is severely impaired in response to SEB in functional Fas-L-deficient mutant gld mice, confirming the role of the Fas pathway in SAg-mediated peripheral deletion in...

DRUG DESCRIPTORS:

\*fas antigen--endogenous compound--ec; \* staphylococcus enterotoxin b  
--drug toxicity--to; \*superantigen--endogenous compound--ec  
CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/34 (Item 9 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

We investigated the ability of staphylococcal enterotoxin B (SEB) to modify the immediate hypersensitivity response induced in BALB/c mice following sensitization to ovalbumin (OVA), a response mediated by OVP-reactive Vbeta8 T cells. Mice were sensitized by skin painting with OVA every second day over...

...modifying the immediate hypersensitivity response induced by OVA by altering the functional capacity of antigen- reactive Vbeta8 T cells.

DRUG DESCRIPTORS:

\* staphylococcus enterotoxin b  
CAS REGISTRY NO.: 37341-29-0 (immunoglobulin E); 77466-29-6 (ovalbumin);  
39424-53-8 ( Staphylococcus enterotoxin B )

5/K/35 (Item 10 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...from a retroviral disruption within the fas gene. Mice that are homozygous for the lpr mutation accumulate large numbers of T lymphocytes and exhibit an autoimmune syndrome resembling systemic lupus erythematosus ...

...The bacterial superantigen staphylococcal enterotoxin B (SEB) rapidly induces anergy and deletion by apoptosis of reactive T lymphocytes in normal mice. Administration of SEB to adult lpr mice results in the...

...an increased thymic output in lpr mice; the delayed induction of tolerance and elimination of reactive lpr T cells by superantigens are intrinsic properties of the cells. The progressive lymphadenopathy in...

...process of lymphoaccumulation rather than lymphoproliferation. A delay in tolerance induction and elimination of self- reactive T cells could have profound influence on the autoimmune diathesis of lpr mice.

DRUG DESCRIPTORS:

\* staphylococcus enterotoxin b ; \*superantigen; \*tumor necrosis factor  
--endogenous compound--ec  
CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B )

Untitled

5/K/36 (Item 11 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

MRL/Mp-lpr/lpr (MRL/lpr) mice carry a mutation in the Fas gene whose product is involved in the regulation of lymphocyte apoptosis. This mutation is associated with the lpr phenomenon, i.e., a massive expansion of phenotypically abnormal CD4...

...2- or 6-month-old female MRL/lpr mice causes a transient expansion of SEB- reactive V((beta))8 SUP + T cells, followed by a deletion of this subset. In contrast...

DRUG DESCRIPTORS:

\*autoantibody--endogenous compound--ec; \*CD4 antigen--endogenous compound--ec; \*CD8 antigen--endogenous compound--ec; \* Staphylococcus enterotoxin B --drug therapy--dt; \* Staphylococcus enterotoxin B --drug toxicity--to; \* Staphylococcus enterotoxin B --pharmacology--pd; \*superantigen--drug therapy--dt; \*superantigen--drug toxicity--to; \*superantigen--pharmacology--pd

MEDICAL DESCRIPTORS:

\*arthritis--drug therapy--dt; \*autoimmunity; \* mutation ; \*T lymphocyte  
CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/37 (Item 12 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...superantigen such as Staphylococcus aureus enterotoxin B (SEB) causes transient activation and expansion of SEB- reactive Vbeta8 SUP + T cells, as well as specific down-regulation of the immune response, through partial deletion of superantigen- reactive T cells. Here we demonstrate that co-administration of pertussis toxin (PTX) and SEB reduces...

...apoptosis and endonucleolysis and is not caused by a compensatory increase in proliferation of SEB- reactive T cells, as we determined by using a combined fluorometric analysis of cell cycle and...

...clonal deletion depends critically on its ADP-ribosyltransferase activity, inasmuch as a non- enzymatic PTX mutant fails to act in this biologic system. We conclude that PTX selectively antagonizes or impedes...

DRUG DESCRIPTORS:

nicotinamide adenine dinucleotide adenosine diphosphate ribosyltransferase--endogenous compound--ec; staphylococcus enterotoxin b  
...CAS REGISTRY NO.: 9 (nicotinamide adenine dinucleotide adenosine diphosphate ribosyltransferase); 70323-44-3 (pertussis toxin); 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/38 (Item 13 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

Superantigens induce clonal deletion of reactive T cells in the thymus and clonal deletion and anergy in the periphery of euthymic...

DRUG DESCRIPTORS:

...ec; interleukin 2--endogenous compound--ec; interleukin 4--endogenous compound--ec; lymphokine--endogenous compound--ec; staphylococcus enterotoxin b ; superantigen; tumor necrosis factor alpha--endogenous compound--ec

MEDICAL DESCRIPTORS:

animal cell; animal experiment; animal model; article; clonal anergy; controlled study; deletion mutant ; immunization; immunological tolerance; lethality; molecular cloning; mouse; nonhuman; priority journal; septic shock; thymus

CAS REGISTRY NO.: 50-22-6 (corticosterone); 85898-30-2 (interleukin 2);



Untitled

39424-53-8 ( Staphylococcus enterotoxin B )

5/K/39 (Item 14 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...with mutations at these positions to investigate how amino acid substitutions affect the ability of mutant toxins to stimulate both human and mouse T cells. Each of the variant toxins induced...

...six different V(beta) elements, all of which responded to native SEB, was tested for reactivity to the variant toxins. Only one V(beta)19.1 SUP + T cell clone was found to be sensitive to substitution at positions 60 and 61 in a manner analogous to the murine V(beta)8...

...of the TCR V(beta) expression of human T cell lines expanded with native and mutant SEB revealed that none of the variant toxins could stimulate T cells that expressed V...

DRUG DESCRIPTORS:

\*gene product; \* staphylococcus enterotoxin b ; \*t lymphocyte receptor beta chain

MEDICAL DESCRIPTORS:

\*binding site; \*gene mutation  
amino acid sequence; amino acid substitution ; animal cell; article; human ; human cell; immunostimulation; lymphocyte clone; lymphocyte proliferation ; mouse; mutagenesis; nonhuman; priority...

CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/40 (Item 15 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

...Anti-H-2L(d) repertoire of H-2 SUP b mice includes T cells recognizing mutant class II H-2 SUP b (A SUP bm12) molecules

Two major histocompatibility complex (MHC) class I- reactive T cell clones derived from H-2 SUP b mice, generated against the allogeneic L(d) molecule, were found to recognize the H-2 SUP b class II mutant A SUP bm12 molecule as well. In addition, these clones also recognize the class II A(s) molecule, and display a class II-dependent reactivity to staphylococcal enterotoxin B. Neither the class I nor the class II alloreactivities of the...

...SUP +CD8 SUP - phenotypes. The CD4 molecule appears to be involved in their class II reactivity , while little or no role for CD4 could be detected in the class I reactivity . This is the first report of a class I/class II cross- reactivity being mediated by CD4 SUP + T cells. The structural basis for this cross- reactivity is discussed.

DRUG DESCRIPTORS:

\*major histocompatibility antigen class 1; \*major histocompatibility antigen class 2; \* mutant protein  
cd4 antigen--endogenous compound--ec; cd8 antigen--endogenous compound--ec; h2 antigen; staphylococcus enterotoxin b

CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/41 (Item 16 from file: 73)  
DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

Concomitant loss of conformation and superantigenic activity of staphylococcal enterotoxin B deletion mutant proteins

...fusion proteins with protein A, including a cleavage site to remove

# Untitled

the protein A part. Mutant proteins were tested for the ability to stimulate human resting T cells and SEB- reactive T-cell clones. Deletion of only 9 amino acids from the C terminus leads to...

...the SEB molecule did not lead to a reexpression of T-cell-mitogenic activity. A mutant protein, however, in which the 9 C- terminal amino acids were replaced with a tail of 68 amino acids encoded by the vector was fully active. Two mutant proteins with N-terminal deletions of 60 and 81 amino acids were inactive as well. A neutralizing monoclonal antibody against a conformational epitope lost binding with all the inactive mutant proteins only, whereas a monoclonal antibody recognizing an epitope involved in emetic activity reacted with all mutant proteins. These results suggest that even small deletions at the C terminus affect the three...

## DRUG DESCRIPTORS:

\* staphylococcus enterotoxin b --endogenous compound--ec

## MEDICAL DESCRIPTORS:

antigenicity; article; carboxy terminal sequence; deletion mutant ; gene deletion; lymphocyte activation; nonhuman; pathogenesis; priority journal; protein conformation; protein domain; staphylococcus aureus; structure...  
CAS REGISTRY NO.: 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/42 (Item 17 from file: 73)

DIALOG(R)File 73:(c) 2007 ELSEVIER B.V. All rts. reserv.

Transfer of putative complementarity-determining region loops of T cell receptor V domains confers toxin reactivity but not peptide/MHC specificity

...Ig complementarity-determining regions (CDR) and framework sequences in Ag-MHC and Staphylococcus aureus enterotoxin reactivity . In the three cases examined, transplantation of Ig CDR3 homologues between I-E(k)-restricted TCR that recognize distinct peptides did not result in transfer of peptide reactivity . Thus the structural context of the CDR3 loops, e.g., both neighboring CDR and the...

...transfer MHC-peptide specificity even when the TCR-alpha chains were identical. In contrast, superantigen reactivity was readily transferred in several cases, with CDR2 transplants conferring strong staphylococcal enterotoxin B and A reactivity and CDR1 transplants yielding weak reactivities. This suggests that bacterial (and perhaps other) superantigens bind...

## DRUG DESCRIPTORS:

\*interleukin 2; \*peptide; \*staphylococcus enterotoxin a; \* staphylococcus enterotoxin b ; \*superantigen--endogenous compound--ec; \*t lymphocyte receptor

## MEDICAL DESCRIPTORS:

amino acid substitution ; antigen recognition; article; human; human cell; priority journal

CAS REGISTRY NO.: 85898-30-2 (interleukin 2); 37337-57-8 (Staphylococcus enterotoxin A); 39424-53-8 ( Staphylococcus enterotoxin B )

5/K/43 (Item 1 from file: 144)

DIALOG(R)File 144:(c) 2007 INIST/CNRS. All rts. reserv.

... apoptosis SUP 1 SUP - SUP 4 . Peripheral activated T cells (ATC) from lymphoproliferation (lpr/lpr) mutant mice that express a reduced number of APO-1 receptors have a defect in T...

... tested this hypothesis in various human T cells: (1) malignant Jurkat cells, (2) an allo- reactive T-cell clone (S13), and (3) peripheral ATC.

# Untitled

TCR triggering through immobilized anti-CD3 antibodies or Staphylococcus enterotoxin B (SEB) superantigen induced expression of the APO-1 ligand and apoptosis in these cells. Anti...

? S S3 NOT PY>2004

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

248 S3

17098416 PY>2004

S6 223 S3 NOT PY>2004

? RD

S7 197 RD (unique items)

? S TOXIC OR TOXICITY

1079406 TOXIC

2737576 TOXICITY

S8 3454661 TOXIC OR TOXICITY

? S S7 AND S8

197 S7

3454661 S8

S9 36 S7 AND S8

? RD

S10 36 RD (unique items)

? T S10/3/1-10

10/3/1 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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05389899 Genuine Article#: VV272 No. References: 62

Title: A MUTATION AT GLYCINE RESIDUE-31 OF TOXIC SHOCK SYNDROME TOXIN-1 DEFINES A FUNCTIONAL SITE CRITICAL FOR MAJOR HISTOCOMPATIBILITY COMPLEX CLASS-II BINDING AND SUPERANTIGENIC ACTIVITY

Author(s): KUM WWS; WOOD JAO; CHOW AW

Corporate Source: VANCOUVER GEN HOSP,DIV INFECT DIS,GF STRONG RESLABS,2733 HEATHER ST/VANCOUVER/BC V5Z 3J5/CANADA/; UNIV BRITISH COLUMBIA,DEPT MED,DIV INFECT DIS/VANCOUVER/BC/CANADA/; UNIV BRITISH COLUMBIA,DEPT MICROBIOL & IMMUNOL/VANCOUVER/BC/CANADA/; VANCOUVER HOSP & HLTH SCI CTR/VANCOUVER/BC V5Z 1M9/CANADA/

Journal: JOURNAL OF INFECTIOUS DISEASES, 1996, V174, N6 (DEC), P1261-1270

ISSN: 0022-1899

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/2 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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05351797 Genuine Article#: VT204 No. References: 64

Title: SUBTYPE-SPECIFIC INTERACTIONS OF TYPE-C STAPHYLOCOCCAL ENTEROTOXINS WITH THE T-CELL RECEPTOR

Author(s): DERINGER JR; ELY RJ; STAUFFACHER CV; BOHACH GA

Corporate Source: UNIV IDAHO,DEPT MICROBIOL MOL BIOL & BIOCHEM/MOSCOW//ID/83843; UNIV IDAHO,DEPT MICROBIOL MOL BIOL & BIOCHEM/MOSCOW//ID/83843; PURDUE UNIV,DEPT BIOL SCI/W LAFAYETTE//IN/47907

Journal: MOLECULAR MICROBIOLOGY, 1996, V22, N3 (NOV), P523-534

ISSN: 0950-382X

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/3 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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Untitled  
05327113 Genuine Article#: VQ579 No. References: 25  
Title: A MOUSE MODEL FOR STAPHYLOCOCCAL ENTEROTOXINS TOXICITY  
Author(s): BHATTI AR; MICUSAN VV  
Corporate Source: DEF RES ESTAB SUFFIELD/RALSTON/AB T0J 2N0/CANADA/; UNIV  
QUEBEC, INST ARMAND FRAPPIER/LAVAL/PQ H7N 4Z3/CANADA/  
Journal: MICROBIOS, 1996, V86, N349, P247-253  
ISSN: 0026-2633  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/4 (Item 4 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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05248723 Genuine Article#: VL103 No. References: 46  
Title: SPECIES-DEPENDENT POSTTRANSLATIONAL MODIFICATION AND POSITION-2  
ALLELISM - EFFECTS ON STREPTOCOCCAL SUPERANTIGEN SSA STRUCTURE AND  
V-BETA SPECIFICITY  
Author(s): STEVENS KR; VAN M; LAMPHEAR JG; ORKISZEWSKI RS; BALLARD KD; COOK  
RG; RICH RR  
Corporate Source: BAYLOR COLL MED, DEPT MICROBIOL & IMMUNOL, DEBAKEY  
BLDG, ROOM M929, 1 BAYLOR PLAZA/HOUSTON//TX/77030; BAYLOR COLL MED, DEPT  
MICROBIOL & IMMUNOL/HOUSTON//TX/77030; BAYLOR COLL MED, DEPT  
MED/HOUSTON//TX/77030  
Journal: JOURNAL OF IMMUNOLOGY, 1996, V157, N6 (SEP 15), P2479-2487  
ISSN: 0022-1767  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/5 (Item 5 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2007 The Thomson Corp. All rts. reserv.

05167127 Genuine Article#: VE490 No. References: 46  
Title: A LUNG-SPECIFIC NEO-ANTIGEN ELICITS SPECIFIC CD8(+) T-CELL TOLERANCE  
WITH PRESERVED CD4(+) T-CELL REACTIVITY - IMPLICATIONS FOR  
IMMUNE-MEDIATED LUNG-DISEASE  
Author(s): ENELOW RI; STOLER MH; SRIKIATKHACHORN A; KERIAKIAN C; AGERSBORG  
S; WHITESETT JA; BRACIALE TJ  
Corporate Source: UNIV VIRGINIA, HLTH SCI CTR, DEPT MED, BOX  
546/CHARLOTTESVILLE//VA/22908; UNIV VIRGINIA, SCH MED, BEIRNE CARTER CTR  
IMMUNOLRES/CHARLOTTESVILLE//VA/22908; UNIV VIRGINIA, SCH MED, DEPT  
MED/CHARLOTTESVILLE//VA/22908; UNIV VIRGINIA, SCH MED, DEPT  
PEDIAT/CHARLOTTESVILLE//VA/22908; UNIV VIRGINIA, SCH MED, DEPT  
MICROBIOL/CHARLOTTESVILLE//VA/22908; UNIV VIRGINIA, SCH MED, DEPT  
PATHOL/CHARLOTTESVILLE//VA/22908; CHILDRENS HOSP, MED  
CTR/CINCINNATI//OH/45229  
Journal: JOURNAL OF CLINICAL INVESTIGATION, 1996, V98, N4 (AUG 15), P  
914-922  
ISSN: 0021-9738  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/6 (Item 6 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2007 The Thomson Corp. All rts. reserv.

05118847 Genuine Article#: VB604 No. References: 121  
Title: SUPERANTIGEN AS A MODIFYING FACTOR IN HIV-INFECTION  
Author(s): KOBAYASHI N; URASAWA S  
Corporate Source: SAPPORO MED UNIV, SCH MED, DEPT HYG, CHUO  
KU, S-1, W-17/SAPPORO/HOKKAIDO 060/JAPAN/  
Journal: PEDIATRIC AIDS AND HIV INFECTION-FETUS TO ADOLESCENT, 1996, V7, N3

Untitled

(JUN), P143-154

ISSN: 1045-5418

Language: ENGLISH Document Type: REVIEW (Abstract Available)

10/3/7 (Item 7 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2007 The Thomson Corp. All rts. reserv.

05066609 Genuine Article#: TM718 No. References: 30

Title: LOCALIZATION OF BIOLOGICALLY IMPORTANT REGIONS ON TOXIC SHOCK SYNDROME TOXIN-1

Author(s): MURRAY DL; EARHART CA; MITCHELL DT; OHLENDORF DH; NOVICK RP; SCHLIEVERT PM

Corporate Source: UNIV MINNESOTA,SCH MED,DEPT

MICROBIOL/MINNEAPOLIS//MN/55455; UNIV MINNESOTA,SCH MED,DEPT

MICROBIOL/MINNEAPOLIS//MN/55455; UNIV MINNESOTA,SCH MED,DEPT

BIOCHEM/MINNEAPOLIS//MN/55455; NYU,MED CTR,SKIRBALL INST BIOMOLEC

MED/NEW YORK//NY/10016

Journal: INFECTION AND IMMUNITY, 1996, V64, N1 (JAN), P371-374

ISSN: 0019-9567

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/8 (Item 8 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2007 The Thomson Corp. All rts. reserv.

05021917 Genuine Article#: VA138 No. References: 30

Title: CRYSTAL-STRUCTURE OF A BIOLOGICALLY INACTIVE MUTANT OF TOXIC SHOCK SYNDROME TOXIN-1 AT 2.5 ANGSTROM RESOLUTION

Author(s): PAPAGEORGIOU AC; QUINN CP; BEER D; BREHM RD; TRANTER HS; BONVENTRE PF; ACHARYA KR

Corporate Source: UNIV BATH,SCH BIOL & BIOCHEM,CLAVERTON DOWN/BATH BA2

7AY/AVON/ENGLAND/; UNIV BATH,SCH BIOL & BIOCHEM/BATH BA2

7AY/AVON/ENGLAND/; PUBL HLTH LAB SERV,CTR APPL MICROBIOL & RES,DEPT MOL

MICROBIOL,PROT TOXIN SECT/SALISBURY SP4 0JG/WILTS/ENGLAND/; PUBL HLTH

LAB SERV,CTR APPL MICROBIOL & RES,DEVPROD DEPT/SALISBURY SP4

0JG/WILTS/ENGLAND/; UNIV CINCINNATI,MED CTR,DEPT MOLEC GENET BIOCHEM &

MICROBIOL/CINCINNATI//OH/45267

Journal: PROTEIN SCIENCE, 1996, V5, N8 (AUG), P1737-1741

ISSN: 0961-8368

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/9 (Item 9 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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05013468 Genuine Article#: UZ093 No. References: 32

Title: SUPERANTIGEN VACCINES - A COMPARATIVE-STUDY OF GENETICALLY ATTENUATED RECEPTOR-BINDING MUTANTS OF STAPHYLOCOCCAL-ENTEROTOXIN-A

Author(s): BAVARI S; DYAS B; ULRICH RG

Corporate Source: USA,MED RES INST INFECT DIS,DEPT BIOCHEM & CELLBIOL,BLDG

1425/FREDERICK//MD/21702; USA,MED RES INST INFECT DIS,DEPT MOLEC BIOL &

IMMUNOL/FREDERICK//MD/21702

Journal: JOURNAL OF INFECTIOUS DISEASES, 1996, V174, N2 (AUG), P338-345

ISSN: 0022-1899

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/10 (Item 10 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

Untitled

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05007774 Genuine Article#: UY893 No. References: 61  
Title: MITOGENIC ACTIVITIES OF AMINO-ACID SUBSTITUTION MUTANTS OF  
STAPHYLOCOCCAL-ENTEROTOXIN-B IN HUMAN AND MOUSE LYMPHOCYTE-CULTURES  
Author(s): NEILL RJ; JETT M; CRANE R; WOOTRES J; WELCH C; HOOVER D; GEMSKI  
P  
Corporate Source: WALTER REED ARMY MED CTR,WALTER REED ARMY INST RES,DIV  
PATHOL,BLDG 40,RM 1051/WASHINGTON//DC/20307; WALTER REED ARMY MED  
CTR,WALTER REED ARMY INST RES,DIV COMMUNICABLE DIS &  
IMMUNOL/WASHINGTON//DC/20307  
Journal: INFECTION AND IMMUNITY, 1996, V64, N8 (AUG), P3007-3015  
ISSN: 0019-9567  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)  
? T S10/3/11-36

10/3/11 (Item 11 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2007 The Thomson Corp. All rts. reserv.

04850781 Genuine Article#: UM224 No. References: 47  
Title: A FAS ANTIGEN RECEPTOR MUTATION ALLOWS DEVELOPMENT OF TOXIC  
SHOCK SYNDROME TOXIN-1-INDUCED LETHAL SHOCK IN V-BETA-8.2 T-CELL  
RECEPTOR TRANSGENIC MICE  
Author(s): CULLEN CM; BONVENTRE PF; HEEG H; BLUETHMANN H; MOUNTZ JD;  
EDWARDS CK  
Corporate Source: UNIV CINCINNATI,COLL MED,DEPT MOLEC GENET BIOCHEM &  
MICROBIOL,231 BETHESDA AVE/CINCINNATI//OH/45267; UNIV CINCINNATI,COLL  
MED,DEPT MOLEC GENET BIOCHEM & MICROBIOL/CINCINNATI//OH/45267; F  
HOFFMANN LA ROCHE & CO LTD,DEPT BIOL,PHARMACEUT RES NEW TECHNOL/CH-4002  
BASEL//SWITZERLAND/; UNIV ALABAMA,DEPT MED/BIRMINGHAM//AL/35294; MARION  
MERRELL DOW RES INST,DEPT METAB & IMMUNOL BIOL/CINCINNATI//OH/45215  
Journal: PATHOBIOLOGY, 1995, V63, N6 (NOV-DEC), P293-304  
ISSN: 1015-2008  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/12 (Item 12 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2007 The Thomson Corp. All rts. reserv.

04705337 Genuine Article#: UC314 No. References: 27  
Title: DELINEATION BY USE OF SPECIFIC MONOCLONAL-ANTIBODIES OF THE T-CELL  
RECEPTOR AND MAJOR HISTOCOMPATIBILITY COMPLEX INTERACTION SITES ON THE  
SUPERANTIGEN TOXIC SHOCK SYNDROME TOXIN-1  
Author(s): SHIMONKEVITZ R; BOEN E; MALMSTROM S; BROWN E; HURLEY JM; KOTZIN  
BL; MATSUMURA M  
Corporate Source: ROCKY MT MULTIPLE SCLEROSIS CTR,501 E HAMPDEN  
AVE/ENGLEWOOD//CO/80110; NEXSTAR PHARMACEUT INC/LAKEWOOD//CO/80214;  
NATL JEWISH CTR IMMUNOL & RESP MED,DEPT PEDIAT/DENVER//CO/80206; NATL  
JEWISH CTR IMMUNOL & RESP MED,DEPT MED/DENVER//CO/80206; UNIV  
COLORADO,HLTH SCI CTR,DEPT MED/DENVER//CO/80262; UNIV COLORADO,HLTH SCI  
CTR,DEPT IMMUNOL/DENVER//CO/80262  
Journal: INFECTION AND IMMUNITY, 1996, V64, N4 (APR), P1133-1139  
ISSN: 0019-9567  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/13 (Item 13 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2007 The Thomson Corp. All rts. reserv.

04703700 Genuine Article#: UC775 No. References: 47

Untitled

Title: MAJOR HISTOCOMPATIBILITY COMPLEX CLASS II-ASSOCIATED PEPTIDES  
CONTROL THE PRESENTATION OF BACTERIAL SUPERANTIGENS TO T-CELLS  
Author(s): WEN R; COLE GA; SURMAN S; BLACKMAN MA; WOODLAND DL  
Corporate Source: ST JUDE CHILDRENS HOSP,DEPT IMMUNOL,332 N  
LAUDERDALE/MEMPHIS//TN/38105; ST JUDE CHILDRENS HOSP,DEPT  
IMMUNOL/MEMPHIS//TN/38105; UNIV TENNESSEE,DEPT PATHOL/MEMPHIS//TN/38163  
Journal: JOURNAL OF EXPERIMENTAL MEDICINE, 1996, V183, N3 (MAR 1), P  
1083-1092  
ISSN: 0022-1007  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/14 (Item 14 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2007 The Thomson Corp. All rts. reserv.

04700709 Genuine Article#: TX566 No. References: 43  
Title: ANALYSIS OF TIRE SUPERANTIGENIC ACTIVITY OF MUTANT AND ALLELIC  
FORMS OF STREPTOCOCCAL PYROGENIC EXOTOXIN-A  
Author(s): KLINE JB; COLLINS CM  
Corporate Source: POB 016960 R138/MIAMI//FL/33101; UNIV MIAMI,SCH MED,DEPT  
MICROBIOL & IMMUNOL/MIAMI//FL/33101  
Journal: INFECTION AND IMMUNITY, 1996, V64, N3 (MAR), P861-869  
ISSN: 0019-9567  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/15 (Item 15 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2007 The Thomson Corp. All rts. reserv.

04635151 Genuine Article#: TY477 No. References: 24  
Title: DEVELOPMENT OF MUTANTS OF STAPHYLOCOCCAL TOXIC SHOCK SYNDROME  
TOXIN-1  
Author(s): WOO J; DERESIEWICZ RL; PARK C  
Corporate Source: SOONCHUN HYANG UNIV HOSP,HYONAM KIDNEY LAB,DEPTINTERNAL  
MED/SEOUL 140743//SOUTH KOREA/; HARVARD UNIV,SCH MED,BRIGHAM & WOMENS  
HOSP,CHANNING LAB/BOSTON//MA/02115  
Journal: MOLECULES AND CELLS, 1996, V6, N1 (FEB 29), P79-85  
ISSN: 1016-8478  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

10/3/16 (Item 1 from file: 45)  
DIALOG(R)File 45:EMCare  
(c) 2007 Elsevier B.V. All rts. reserv.

00511012 EMCare No: 28495995  
Production of antibodies to staphylococcal superantigens in atopic  
dermatitis  
Campbell D.E.; Kemp A.S.  
Dr. A.S. Kemp, Department of Immunology, Royal Children's Hospital,  
Parkville, Vic. 3052 Australia  
AUTHOR EMAIL: kempa@cryptic.rch.unimelb.edu.au  
Archives of Disease in Childhood ( ARCH. DIS. CHILD. ) (United Kingdom)  
1998, 79/5 (400-404)  
CODEN: ADCHA ISSN: 0003-9888  
DOCUMENT TYPE: Journal ; Article  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH  
NUMBER OF REFERENCES: 27  
RECORD TYPE: Abstract  
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Untitled

10/3/17 (Item 2 from file: 45)  
DIALOG(R)File 45:EMCare  
(c) 2007 Elsevier B.V. All rts. reserv.

00028934 EMCare No: 25027851  
Subsets of HLA-DR1 molecules defined by SEB and TSST-1 binding  
Thibodeau J.; Cloutier I.; Lavoie P.M.; Labrecque N.; Mourad W.;  
Jardetzky T.; Sekaly R.-P.; Sekaly R.-P.  
R.-P. Sekaly, Department Microbiology Immunology, School of Medicine,  
McGill University, Montreal, Que. H3A 2B4 Canada  
Science ( SCIENCE ) (United States) 16 DEC 1994, 266/5192 (1874-1878)  
CODEN: SCIEA ISSN: 0036-8075  
DOCUMENT TYPE: Journal ; Article  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH  
NUMBER OF REFERENCES: 44  
RECORD TYPE: Abstract  
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10/3/18 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2007 ELSEVIER B.V. All rts. reserv.

0080147552 EMBASE No: 2004330226  
Influences of sigma SUP B and agr on expression of staphylococcal  
enterotoxin B (seb) in Staphylococcus aureus  
Schmidt K.A.; Donegan N.P.; Kwan Jr. W.A.; Cheung A.  
Department of Microbiology, Dartmouth Medical School, 206 Vail Building,  
Hanover, NH 03755, United States  
AUTHOR EMAIL: Katherine.A.Schmidt@Dartmouth.edu  
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Canadian Journal of Microbiology ( Can. J. Microbiol. ) (Canada) May 1,  
2004, 50/5 (351-360)  
CODEN: CJMIA ISSN: 00084166  
DOI: 10.1139/w04-017  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English; French  
NUMBER OF REFERENCES: 61

10/3/19 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2007 ELSEVIER B.V. All rts. reserv.

0079957689 EMBASE No: 2004142712  
Immunogenicity of the histidine-to-tyrosine staphylococcal enterotoxin B  
mutant protein in C3H/HeJ mice  
Savransky V.; Korolev S.; Ionin B. // Pinelis D. // Fegeding K.  
Walter Reed Army Inst. of Research, 503 Robert Grant Ave, Silver Spring,  
MD 20910-7500, United States // Good Samaritan Hospital, 5601 Loch Raven  
Boulevard, Baltimore, MD 21239-2995, United States // Department of  
Surgery, Uniformed Serv. Univ. Hlth. Sci., 4301 Jones Bridge Road,  
Bethesda, MD 20814-4712, United States  
AUTHOR EMAIL: fegeding@erols.com  
CORRESP. AUTHOR: Fegeding K.  
CORRESP. AUTHOR AFFIL: Department of Surgery, Uniformed Serv. Univ. Hlth.  
Sci., 4301 Jones Bridge Road, Bethesda, MD 20814-4712, United States  
CORRESP. AUTHOR EMAIL: fegeding@erols.com



Untitled

Toxicon ( Toxicon ) (United Kingdom) April 1, 2004, 43/4 (433-438)  
CODEN: TOXIA ISSN: 00410101  
PUBLISHER ITEM IDENTIFIER: S0041010104000674  
DOI: 10.1016/j.toxicon.2004.02.013  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 25

10/3/20 (Item 3 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2007 ELSEVIER B.V. All rts. reserv.

0079653068 EMBASE No: 2003361552  
Purification and characterization of staphylococcal enterotoxin B mutants  
Yu H.; Qian L.-S. // Xiong S.-D.  
Department of Microbiology, School of Basic Medical Science, Fudan  
University, Shanghai 200032, China // Department of Immunology, School of  
Basic Medical Science, Fudan University, Shanghai 200032, China  
CORRESP. AUTHOR: Yu H.  
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Medical Science, Fudan University, Shanghai 200032, China  
  
Fudan University Journal of Medical Sciences ( Fudan Univ. J. Med. Sci. )  
(China) December 1, 2001, 28/3 (187-190)  
CODEN: FXYUA ISSN: 02578131  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: Chinese SUMMARY LANGUAGE: English; Chinese  
NUMBER OF REFERENCES: 7

10/3/21 (Item 4 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2007 ELSEVIER B.V. All rts. reserv.

0079449867 EMBASE No: 2003154816  
Toxicity of the staphylococcal enterotoxin B mutants with  
histidine-to-tyrosine substitutions  
Korolev S.; Pinelis D.; Savransky V.; Komisar J.; Vogel P.; Fegeding K.  
Division of Pathology, Walter Reed Army Inst. of Research, 503 Robert  
Grant Avenue, Silver Spring, MD 20910-7500, United States  
AUTHOR EMAIL: fegeding@erols.com  
CORRESP. AUTHOR: Fegeding K.  
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Research, 503 Robert Grant Avenue, Silver Spring, MD 20910-7500, United  
States  
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Toxicology ( Toxicology ) (Ireland) May 3, 2003, 187/2-3 (229-238)  
CODEN: TXYA ISSN: 0300483X  
DOI: 10.1016/S0300-483X(03)00049-0  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 37

10/3/22 (Item 5 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0079145933 EMBASE No: 2002309701  
Structural and functional role of threonine 112 in a superantigen

Untitled

Staphylococcus aureus enterotoxin B

Baker M.D.; Papageorgiou A.C.; Titball R.W.; Miller J.; White S.; Lingard B.; Lee J.J.; Cavanagh D.; Kehoe M.A.; Robinson J.H.; Acharya K.R.

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Journal of Biological Chemistry ( J. Biol. Chem. ) (United States)

January 25, 2002, 277/4 (2756-2762)

CODEN: JBCHA ISSN: 00219258

DOI: 10.1074/jbc.M109369200

DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 34

10/3/23 (Item 6 from file: 73)

DIALOG(R)File 73:EMBASE

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0077920420 EMBASE No: 1999406756

Production of tumor necrosis factor alpha in human T lymphocytes by staphylococcal enterotoxin B correlates with toxin-induced proliferation and is regulated through protein kinase C

Yan Z.; Yang D.C.H.; Jett M. // Yan Z.; Neill R.; Jett M. // Jett M. // Yan Z.

Chemistry Department, Georgetown University, Washington, DC 20056, United States // Department of Molecular Pathology, Walter Reed Army Inst. of Research, Washington, DC 20307, United States // Department of Molecular Pathology, Walter Reed Army Inst. of Research, Building 503, 503 Robert Grant Rd., Silver Spring, MD 20910, United States // R. W. Johnson Pharmaceutical Res. I., Spring House, PA 19477, United States

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Infection and Immunity ( Infect. Immun. ) (United States) December 1, 1999, 67/12 (6611-6618)

CODEN: INFIB ISSN: 00199567

DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 46

10/3/24 (Item 7 from file: 73)

DIALOG(R)File 73:EMBASE

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0077912254 EMBASE No: 1999398587

Epidermal HLA-DR and the enhancement of cutaneous reactivity to superantigenic toxins in psoriasis

Travers J.B.; Kuhn C.; Farmer E.R. // Hamid Q.A. // Norris D.A.; Giorno R.C.; Leung D.Y.M. // Schlievert P.M. // Leung D.Y.M. // Leung D.Y.M. Depts. of Dermatol. and Pharmacology, Indiana University Medical Center, Indianapolis, IN 46202, United States // Meakins-Christie Labs. and Depts. P., McGill University, Montreal, Que. H2X 2P2, Canada // Depts.

Untitled

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Journal of Clinical Investigation ( J. Clin. Invest. ) (United States)  
November 1, 1999, 104/9 (1181-1189)  
CODEN: JCINA ISSN: 00219738  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 45

10/3/25 (Item 8 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0077363422 EMBASE No: 1998273604  
Identification of critical residues of staphylococcal enterotoxin B for  
lymphomonocyte proliferation and cytokine production  
Di Stefano A.; Niccolai N.; Scarselli M.; Soldani P.; Neri P. // Paulesu  
L.  
Department of Molecular Biology, University of Siena, Policlinico Le  
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Journal of Peptide Research ( J. Pept. Res. ) (Denmark) September 23,  
1998, 52/2 (130-136)  
CODEN: JPERF ISSN: 1397002X  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 24

10/3/26 (Item 9 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0076771192 EMBASE No: 1997064150  
Staphylococcal enterotoxin B mutants (N23K and F44S): Biological effects  
and vaccine potential in a mouse model  
Woody M.A.; Krakauer T.; Stiles B.G.  
Dept. of Immunol./Molecular Biology, U. States Army Med. Res. Inst. of  
I., Frederick, MD 21702-5011, United States  
CORRESP. AUTHOR: Stiles B.G.  
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States Army Medical Res.Inst., Fort Detrick, Frederick, MD 21702-5011,  
United States

Vaccine ( VACCINE ) (United Kingdom) February 1, 1997, 15/2 (133-139)  
CODEN: VACCD ISSN: 0264410X

Untitled  
PUBLISHER ITEM IDENTIFIER: S0264410X96001661  
DOI: 10.1016/S0264-410X(96)00166-1  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 35

10/3/27 (Item 10 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0076748461 EMBASE No: 1997041419

Mutations affecting the superantigen activity of staphylococcal enterotoxin B

Briggs C.; Garcia C.; Zhang L.; Guan L.; Rogers T.J. // Gabriel J.L. // Briggs C.; Garcia C.; Zhang L.; Guan L.; Gabriel J.L.; Rogers T.J. // Rogers T.J.

Dept. of Microbiology and Immunology, Temple University, School of Medicine, Philadelphia, PA, United States // Department of Biochemistry, Temple University, School of Medicine, Philadelphia, PA, United States // Fels Inst. Cancer Res. Molec. Biol., Temple University, School of Medicine, Philadelphia, PA, United States // Dept. of Microbiology and Immunology, Temple University, School of Medicine, 3400 North Broad Street, Philadelphia, PA 19140, United States

CORRESP. AUTHOR: Rogers T.J.

CORRESP. AUTHOR AFFIL: Dept. of Microbiology and Immunology, Temple University School of Medicine, 3400 North Broad Street, Philadelphia, PA 19140, United States

Immunology ( IMMUNOLOGY ) (United Kingdom) March 4, 1997, 90/2 (169-175)

CODEN: IMMUA ISSN: 00192805

DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 21

10/3/28 (Item 11 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2007 ELSEVIER B.V. All rts. reserv.

0076271103 EMBASE No: 1995320288

Major histocompatibility complex class II-associated peptides determine the binding of the superantigen toxic shock syndrome toxin-1

Von Bonin A.; Ehrlich S.; Fleischer B. // Malcherek G. // Von Bonin A. Bernhard-Nocht-Inst. for Trop. Med., Hamburg, Germany // Department of Neurology, University of Tübingen, Tübingen, Germany // Bernhard-Nocht-Inst. F. T., Bernhard-Nocht-Str. 74, D-20359 Hamburg, Germany

CORRESP. AUTHOR: Von Bonin A.

CORRESP. AUTHOR AFFIL: Bernhard-Nocht-Inst. Tropenmedizin, Bernhard-Nocht-Str 74, D-20359 Hamburg, Germany

European Journal of Immunology ( EUR. J. IMMUNOL. ) (Germany) October 1, 1995, 25/10 (2894-2898)

CODEN: EJIMA ISSN: 00142980

DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 30

10/3/29 (Item 12 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2007 ELSEVIER B.V. All rts. reserv.

Untitled

0076219618 EMBASE No: 1995261382

T cell-dependent antibody response to staphylococcal enterotoxin B  
Williams O.; Aroeira L.S.; Mengel J.  
Division of Molecular Immunology, NIMR, Mill Hill, The Ridgeway, London  
NW7 1AA, United Kingdom  
CORRESP. AUTHOR: Williams O.  
CORRESP. AUTHOR AFFIL: Division of Molecular Immunology, NIMR, Mill Hill,  
The Ridgeway, London NW7 1AA, United Kingdom

Scandinavian Journal of Immunology ( SCAND. J. IMMUNOL. ) (United Kingdom  
) September 15, 1995, 42/3 (305-310)  
CODEN: SJIMA ISSN: 03009475  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English

10/3/30 (Item 13 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0075911871 EMBASE No: 1994327839

Localization of binding sites of staphylococcal enterotoxin B (SEB), a  
superantigen, for HLA-DR by inhibition with synthetic peptides of SEB  
Komisar J.L.; Small-Harris S.; Tseng J.  
Walter Reed Army Research Institute, 14th and Dahlia Sts., N.W.,  
Washington, DC 20307-5100, United States  
CORRESP. AUTHOR: Komisar J.L.  
CORRESP. AUTHOR AFFIL: Walter Reed Army Research Institute, 14th and  
Dahlia Sts., N.W., Washington, DC 20307-5100, United States

Infection and Immunity ( INFECT. IMMUN. ) (United States) November 16,  
1994, 62/11 (4775-4780)  
CODEN: INFIB ISSN: 00199567  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English

10/3/31 (Item 14 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0075858070 EMBASE No: 1994282171

Systemic release and protective role of IL-10 in staphylococcal  
enterotoxin B-induced shock in mice  
Florquin S.; Amraoui Z.; Abramowicz D.; Goldman M. // Goldman M.  
Multidisc. Lab. of Biomed. Research, Erasme Hospital, Free University of  
Brussels, Brussels, Belgium // Department of Immunology, Hopital Erasme,  
808 route de Lennik, B-1070, Brussels, Belgium  
CORRESP. AUTHOR: Goldman M.  
CORRESP. AUTHOR AFFIL: Department of Immunology, Hopital Erasme, 808  
route de Lennik, B-1070 Brussels, Belgium

Journal of Immunology ( J. IMMUNOL. ) (United States) September 15, 1994  
, 153/6 (2618-2623)  
CODEN: JOIMA ISSN: 00221767  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 33

10/3/32 (Item 15 from file: 73)  
DIALOG(R)File 73:EMBASE

Untitled

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0075761925 EMBASE No: 1994189252

Leukocytosis and resistance to septic shock in intercellular adhesion molecule 1-deficient mice

Xu H.; Gonzalo J.A.; St. Pierre Y.; Springer T.A.; Gutierrez-Ramos J.-C. // Williams I.R.; Kupper T.S. // Cotran R.S. // Gutierrez-Ramos J.-C.

Center for Blood Research, Harvard Medical School, Boston, MA 02115, United States // Division of Dermatology, Brigham and Women's Hospital, Boston, MA 02115, United States // Department of Pathology, Brigham and Women's Hospital, Boston, MA 02115, United States // Center for Blood Research, Harvard Medical School, 200 Longwood Avenue, Boston, MA 02115, United States

CORRESP. AUTHOR: Gutierrez-Ramos J.-C.

CORRESP. AUTHOR AFFIL: Center for Blood Research, Harvard Medical School, 200 Longwood Avenue, Boston, MA 02115, United States

Journal of Experimental Medicine ( J. EXP. MED. ) (United States) July 1, 1994, 180/1 (95-109)

CODEN: JEMEA ISSN: 00221007

DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 69

10/3/33 (Item 16 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2007 ELSEVIER B.V. All rts. reserv.

0075728725 EMBASE No: 1994134766

A single injection of staphylococcus aureus enterotoxin B reduces autoimmunity in MRL/lpr mice

Gonzalo J.A.; Tarazona R.; Schuurman H.J.; Uytdehaag F.; Wick G.; Martinez -A.C.; Kroemer G.

Centro de Biologia Molecular, CSIC, Campus de Cantoblanco, 28049 Madrid, Spain

CORRESP. AUTHOR: Gonzalo J.A.

CORRESP. AUTHOR AFFIL: Centro de Biologia Molecular, CSIC, Campus de Cantoblanco, 28049 Madrid, Spain

Clinical Immunology and Immunopathology ( CLIN. IMMUNOL. IMMUNOPATHOL. ) (United States) May 31, 1994, 71/2 (176-182)

CODEN: CLIIA ISSN: 00901229

DOI: 10.1006/clin.1994.1069

DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

10/3/34 (Item 17 from file: 73)

DIALOG(R)File 73:EMBASE

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0075659287 EMBASE No: 1994087116

Absence of peripheral clonal deletion and anergy in immune responses of T cell-reconstituted athymic mice

Williams O.; Aroeira L.S.; Martinez-A. C. // Williams O.

Centro de Biologia Molecular, Consejo Sup. de Invest. Cientificas, Universidad Autonoma, Madrid, Spain // Depto. de Immunologia, Faculdade Med. Ribeirao Preto, Av. Bandeirantes 3900, 14048-900 Ribeirao Preto, Brazil

CORRESP. AUTHOR: Williams O.

CORRESP. AUTHOR AFFIL: Depto de Immunologia, Faculdade Medicina Ribeirao Preto, Av. Bandeirantes 3900, 14048-900 Ribeirao Preto, Brazil

# Untitled

European Journal of Immunology ( EUR. J. IMMUNOL. ) (Germany) March 1, 1994, 24/3 (579-584)  
 CODEN: EJIMA ISSN: 00142980  
 DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
 LANGUAGE: English SUMMARY LANGUAGE: English  
 NUMBER OF REFERENCES: 30

10/3/35 (Item 18 from file: 73)  
 DIALOG(R)File 73:EMBASE  
 (c) 2007 ELSEVIER B.V. All rts. reserv.

0074909337 EMBASE No: 1992061010  
 Mutations defining functional regions of the superantigen staphylococcal enterotoxin B  
 Kappler J.W.; Herman A.; Clements J.; Marrack P.  
 Howard Hughes Medical Inst., Natl. Jewish Immunology Ctr., 1400 Jackson Street, Denver, CO 80207, United States  
 CORRESP. AUTHOR: Kappler J.W.  
 CORRESP. AUTHOR AFFIL: Howard Hughes Medical Inst., Natl. Jewish Immunology Ctr., 1400 Jackson Street, Denver, CO 80207, United States  
 Journal of Experimental Medicine ( J. EXP. MED. ) (United States)  
 February 24, 1992, 175/2 (387-396)  
 CODEN: JEMEA ISSN: 00221007  
 DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
 LANGUAGE: English SUMMARY LANGUAGE: English

10/3/36 (Item 1 from file: 399)  
 DIALOG(R)File 399:CA SEARCH(R)  
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142278336 CA: 142(15)278336w JOURNAL  
 Vaccine potential of staphylococcal enterotoxin B mutants  
 AUTHOR(S): Yu, Hong; Li, Xueping; Qian, Lisheng  
 LOCATION: Shanghai Medical College, Fudan University, Shanghai, Peop. Rep. China, 200032  
 JOURNAL: Zhongguo Renshou Gonghuanbing Zazhi (Zhongguo Renshou Gonghuanbing Zazhi (Chinese Journal of Zoonoses)) DATE: 2003 VOLUME: 19  
 NUMBER: 6 PAGES: 42-44, 34 CODEN: ZRGZAP ISSN: 1002-2694 LANGUAGE: Chinese PUBLISHER: Zhongguo Renshou Gonghuanbing Zazhi Bianweihui  
 ? S C (W) TERMINUS  
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 Completed processing all files  
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S2	5150798	MUTANT OR MUTATION OR MODIFIED OR MODIFY OR SUBSTITUTE OR - SUBSTITUTION
S3	248	S1 AND S2
S4	1857308	REACTIVE OR REACTIVITY
S5	44	S3 AND S4
S6	223	S3 NOT PY>2004
S7	197	RD (unique items)
S8	3454661	TOXIC OR TOXICITY
S9	36	S7 AND S8

# Untitled

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 248 S3  
 101903 S11  
 S12 1 S3 AND S11  
 ? T S12/3/1

12/3/1 (Item 1 from file: 73)  
 DIALOG(R)File 73:EMBASE  
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0075379691 EMBASE No: 1993159247  
 Concomitant loss of conformation and superantigenic activity of  
 staphylococcal enterotoxin B deletion mutant proteins  
 Metzroth B.; Marx T.; Linnig M.; Fleischer B.  
 First Department of Medicine, University of Mainz, D-6500 Mainz, Germany  
 CORRESP. AUTHOR: Fleischer B.  
 CORRESP. AUTHOR AFFIL: First Department of Medicine, University of Mainz,  
 D-6500 Mainz, Germany

Infection and Immunity ( INFECT. IMMUN. ) (United States) June 15, 1993  
 , 61/6 (2445-2452)  
 CODEN: INFIB ISSN: 00199567  
 DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
 LANGUAGE: English SUMMARY LANGUAGE: English

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 262887 EPITOPES  
 S13 399377 EPITOPE OR EPITOPES  
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Set	Items	Description
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		SUBSTITUTION
S3	248	S1 AND S2
S4	1857308	REACTIVE OR REACTIVITY
S5	44	S3 AND S4
S6	223	S3 NOT PY>2004
S7	197	RD (unique items)
S8	3454661	TOXIC OR TOXICITY
S9	36	S7 AND S8
S10	36	RD (unique items)
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S12	1	S3 AND S11
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	399377	S13
S14	105	S1 AND S13
? S S4 AND S14		
	1857308	S4
	105	S14
S15	31	S4 AND S14
? E AU=NAKASHIMA, TOSHIHIRO		

Ref	Items	Index-term
E1	36	AU=NAKASHIMA, TOSHIHIDE
E2	14	AU=NAKASHIMA, TOSHIHIKO
E3	64	*AU=NAKASHIMA, TOSHIHIRO
E4	1	AU=NAKASHIMA, TOSHIHISA
E5	93	AU=NAKASHIMA, TOSHIKATSU



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 E7 2 AU=NAKASHIMA, TOSHIKAZU  
 E8 11 AU=NAKASHIMA, TOSHIKI  
 E9 2 AU=NAKASHIMA, TOSHIKO  
 E10 21 AU=NAKASHIMA, TOSHIMITSU  
 E11 1 AU=NAKASHIMA, TOSHIMITUS  
 E12 1 AU=NAKASHIMA, TOSHINORI

Enter P or PAGE for more

? S E3  
 S16 64 AU='NAKASHIMA, TOSHIHIRO'  
 ? S S1 AND S16  
 3214 S1  
 64 S16  
 S17 1 S1 AND S16  
 ? T S3/3/ALL

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17/3/1 (Item 1 from file: 399)  
 DIALOG(R)File 399:CA SEARCH(R)  
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141330775 CA: 141(20)330775j PATENT  
 Prevention of collagen-induced arthritis with mutants of the  
 superantigen, staphylococcal enterotoxin B  
 INVENTOR(AUTHOR): Nakashima, Toshihiro; Sasaki, Takumi; Kimachi, Kazuhiko  
 ; Kuwata, Shigeki; Nishihara, Tsukasa; Sakata, Atsuko; Oguchi, Masao;  
 Koshi, Tomoyuki; Edano, Toshiyuki  
 LOCATION: Japan,  
 ASSIGNEE: Juridical Foundation the Chemo-Sero-Therapeutic Research  
 Institute; Kowa Company, Ltd.  
 PATENT: PCT International ; WO 200487915 A1 DATE: 20041014  
 APPLICATION: WO 2004JP4184 (20040325) \*JP 200391819 (20030328)  
 PAGES: 33 pp. CODEN: PIXXD2 LANGUAGE: Japanese  
 PATENT CLASSIFICATIONS:  
 CLASS: C12N-015/09A; C07K-014/47B; A61K-038/17B; A61P-037/08B  
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
 BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
 GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
 LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
 PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
 UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ  
 ; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE;  
 BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL;  
 PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE;  
 SN; TD; TG  
 ? E AU=SASAKI, TAKUMI

Ref	Items	Index-term
E1	245	AU=SASAKI, TAKUJI
E2	361	AU=SASAKI, TAKUMA
E3	31	*AU=SASAKI, TAKUMI
E4	2	AU=SASAKI, TAKUO
E5	6	AU=SASAKI, TAKURO
E6	14	AU=SASAKI, TAKUSHI
E7	1	AU=SASAKI, TAKUSI
E8	1	AU=SASAKI, TAKUTO
E9	206	AU=SASAKI, TAKUYA

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E10 2 AU=SASAKI, TAKYUA  
E11 25 AU=SASAKI, TAMAKI  
E12 2 AU=SASAKI, TAMAMI

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? S E3  
S18 31 AU='SASAKI, TAKUMI'  
? S E18  
S19 1 AU='SASAKI, TAMOMI'  
? S S1 AND S18  
3214 S1  
31 S18  
S20 3 S1 AND S18  
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S21 3 RD (unique items)  
? T S21/3/ALL

21/3/1 (Item 1 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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141330775 CA: 141(20)330775j PATENT  
Prevention of collagen-induced arthritis with mutants of the  
superantigen, staphylococcal enterotoxin B  
INVENTOR(AUTHOR): Nakashima, Toshihiro; Sasaki, Takumi; Kimachi, Kazuhiko  
; Kuwata, Shigeki; Nishihara, Tsukasa; Sakata, Atsuko; Oguchi, Masao;  
Koshi, Tomoyuki; Edano, Toshiyuki  
LOCATION: Japan,  
ASSIGNEE: Juridical Foundation the Chemo-Sero-Therapeutic Research  
Institute; Kowa Company, Ltd.  
PATENT: PCT International ; WO 200487915 A1 DATE: 20041014  
APPLICATION: WO 2004JP4184 (20040325) \*JP 200391819 (20030328)  
PAGES: 33 pp. CODEN: PIXXD2 LANGUAGE: Japanese  
PATENT CLASSIFICATIONS:  
CLASS: C12N-015/09A; C07K-014/47B; A61K-038/17B; A61P-037/08B  
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ  
; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE;  
BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL;  
PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE;  
SN; TD; TG

21/3/2 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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131153743 CA: 131(12)153743t PATENT  
Novel preventives/remedies for immunopathy  
INVENTOR(AUTHOR): Sasaki, Takumi; Kimachi, Kazuhiko; Soejima, Kenji;  
Kimura, Yumi; Nozaki, Chikateru; Fujiyama, Yoshihide  
LOCATION: Japan,  
ASSIGNEE: Juridical Foundation the Chemo-Sero-Therapeutic Research  
Institute  
PATENT: PCT International ; WO 9940935 A1 DATE: 19990819  
APPLICATION: WO 99JP638 (19990215) \*JP 9850137 (19980215)  
PAGES: 39 pp. CODEN: PIXXD2 LANGUAGE: Japanese  
PATENT CLASSIFICATIONS:  
CLASS: A61K-039/09A; A61K-038/16B; C12N-015/09B; C07K-014/315B

# Untitled

DESIGNATED COUNTRIES: AU; CA; CN; JP; KR; US DESIGNATED REGIONAL: AT; BE  
; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

21/3/3 (Item 3 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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128153064 CA: 128(13)153064k JOURNAL

Prevention of collagen-induced arthritis with the superantigen,  
staphylococcal enterotoxin B

AUTHOR(S): Sasaki, Takumi; Fujiyama, Yoshihide; Ide, Toshio; Kakimoto,  
Kiichi; Niwakawa, Mitsuyuki; Bamba, Tadao; Tokiyoshi, Sachio; Onoue, Kaoru

LOCATION: The Research and Development Department, Kikuchi Research  
Centre, The Chemo-Sero-Therapeutic Research Institute, Kumamoto, Japan,  
869-12

JOURNAL: Pathophysiology DATE: 1997 VOLUME: 4 NUMBER: 1 PAGES: 25-31

CODEN: PTHOE7 ISSN: 0928-4680 LANGUAGE: English PUBLISHER: Elsevier

Science B.V.

? E AU= KAZUHIKO, KIMACHI

Ref	Items	Index-term
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E3	0	*AU=KAZUHIKO, KIMACHI
E4	1	AU=KAZUHIKO, KITAO
E5	1	AU=KAZUHIKO, KOBAYASHI
E6	1	AU=KAZUHIKO, KOIKE
E7	1	AU=KAZUHIKO, KONNO
E8	1	AU=KAZUHIKO, KUME
E9	1	AU=KAZUHIKO, KUSAKABE
E10	1	AU=KAZUHIKO, M.
E11	1	AU=KAZUHIKO, MASAKA
E12	1	AU=KAZUHIKO, MATSUZAKI

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Set	Items	Description
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S2	5150798	MUTANT OR MUTATION OR MODIFIED OR MODIFY OR SUBSTITUTE OR - SUBSTITUTION
S3	248	S1 AND S2
S4	1857308	REACTIVE OR REACTIVITY
S5	44	S3 AND S4
S6	223	S3 NOT PY>2004
S7	197	RD (unique items)
S8	3454661	TOXIC OR TOXICITY
S9	36	S7 AND S8
S10	36	RD (unique items)
S11	101903	C (w) TERMINUS
S12	1	S3 AND S11
S13	399377	EPITOPE OR EPITOPES
S14	105	S1 AND S13
S15	31	S4 AND S14
S16	64	AU='NAKASHIMA, TOSHIHIRO'
S17	1	S1 AND S16
S18	31	AU='SASAKI, TAKUMI'
S19	1	AU='SASAKI, TAMOMI'
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